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PATENT APPLICATION
CH7988
LeA 36,377

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN APPLICATION OF)
)
WOLFGANG EBENBECK ET AL)
)
SERIAL NO.: 10/751,623)
)
FILED: JANUARY 5, 2004)
)
TITLE: FLUORINATING REAGENTS AND)
THEIR PREPARATION)

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements. Enclosed are copies of the following:

- a) the background art as cited in the application (except for U.S. applications or patents);

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an enveloped addressed to: Commissioner for Patents, Alexandria, VA 22313-1450

7/28/04

Date

Diderico van Eyn, Reg. No. 38,641

Name of applicant, assignee or Registered Representative

Signature

July 28, 2004

Date

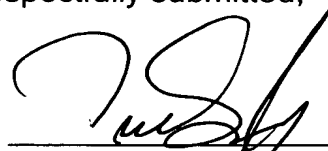
- b) the Search Report received in the corresponding application pending in the European Patent Office, and an English language translation thereof; and
- c) the documents cited by the European Patent Office in the Search Report listed on the attached Form PTO-1449, and a corresponding abstract of the foreign patent document listed on the attached Form PTO 1449.

Concise statements of the presently understood relevance of each of the documents are found in the specification filed.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any document mentioned herein constitutes prior art, or that the documents listed severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

By



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Form PTO 1449 Rev. 7-80 U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No. CH7988/LeA 36,377	Serial No. 10/751,623
	Applicant Wolfgang Ebenbeck et al	
	Filing Date January 5, 2004	Group

JUL 30 2004

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2,859,245	11/4/58	Smith	260	544	
	AB	3,092,637	6/4/63	Brown	260	326.5	
	AC	3,221,007	11/30/65	Shen	260	210	
	AD	3,976,691	08/24/76	Middleton	260	544 F	
	AE	4,497,937	02/05/85	Bel. to corresp. to EP van der Klooster et al	90448 525	333.1	
	AF	6,080,886	06/27/00	Bel. to corresp. to EP Lal et al	905109 560	227	
	AG	6,222,064	04/24/01	Bel. to corresp. to EP Lal et al	905109 560	227	
	AH	6,329,529	12/11/01	Bel. to corresp. to EP Sonoda et al	895991 548	300.1	
	AI	6,458,990	10/01/02	Bel. to corresp. to EP Sonoda et al	895991 560	219	
	AJ	6,632,949	10/14/03	Bel. to corresp. to EP Sonoda et al	895991 548	300.1	
	AK	2002/0042521	04/11/02	Bel. to corresp. to EP Sonoda et al	895991 548	300.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	J. Fluorine Chem., 42, (month unavailable), 1989, pgs 137-143, P. A. Messina et al, "Aminosulfur Trifluorides: Relative Thermal Stability[1]"
	AS	J. Fluorine Chem., 23, (month unavailable), 1983, pgs 219-228, W. Dmowski et al, "Dialkyl- α,α -Difluorobenzylamines and Dialkyl(Trifluoromethyl)-Amines - Novel Fluorinating Reagents"
	AT	Organic Reactions, 21, (month unavailable), 1974, pgs 158-162, "The Fluoroalkylamine Reagent"

EXAMINER	DATE CONSIDERED
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.	

* Neither English Language Equivalent nor an English Language Translation is available.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2003/0004348	01/02/03	Bel. to corresp. to EP Sonoda et al	895991 544	334	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Collection of Czechoslovak Chemical Communications, Bd. 28, Nr. 8, (month unavailable), 1963, pgs. 2047-2051, Gbacademic Press, London, Z. Arnold, "Synthetic Reactions of Dimethylformamide. XIX. Preparation of α,α -Difluorotrimethylamine and Some of its Reactions" XP002274540
	AS	Nouveau J. De Chemie, 1(5), (month unavailable) 1977, pgs. 371-372, Coden: NJCHD4; ISSN: 0398-9836, A. Colens et al, "Reactivity and Synthetic Potential of α -Fluoro- and α -Iodoenamines" XP0008028796
	AT	Zeitschrift Fuer Anorganische und Allgemeine Chemie, 537, (month unavailable), 1986, p. 63-78, Coden: ZAACAB; ISSN: 0044-2313, D. J. Brauer et al, "Synthesis, Vibrational Spectra, and Crystal Structure Analysis of Di- and Trifluoro-Tetramethylammonium Salts" XP0008028797

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							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Polish Journal of Chemistry, 56 (10-12), (month unavailable), 1982, p.1369-1378, Coden: PJCHDQ; ISSN: 0137-5083, W. Dmowski et al, "Reactions of N,N-Dialkylbenzamides with Sulfur Tetrafluoride. Formation of Dialkyl- α,α -Difluorobenzylamines" XP0002959888
	AS		J. Fluorine Chem., Bd. 109, Nr. 2, (month unavailable) 2001, Seiten 173-181, Chelsevier Sequoia, Lausanne, G. Bissky et al, "Generation of Heteroaryl-N-Difluoromethylides and Heteroaryl-N-Difluoromethyl Anions and their Reactions with Electrophiles: Heteroaryl- and Heteroaryl-N-Difluoromethyl Trimethylsilanes and a new Heteroaryl-N-Trifluoromethane" XP002274541
	AT		Bulletin of the Academy of Sciences of the URRS. Division of Chemical Science, Bd. 30, Nr. 4, October 10, 1981, pgs. 639-642, US Consultants Bureau, NY, I. L. Knunyants et al, " α -Fluoroalkylamines, A New Source of Unhydrated Fluoride Ion" XP002274542

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